

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method of reporting radio access capacity information from a mobile station to a mobile radio network in packet mode, ~~wherein~~ the method comprising:

[[-]] determining the network determines, from mobile station identity information communicated to [[it]] the network, ~~if it~~ whether the network already holds radio access capacity information relating to the mobile station, and

[[-]] if it is determined that the network does not already hold ~~such~~ the radio access capacity information, ~~it requests~~ requesting the mobile station to communicate the radio access capacity information to [[it]] the network.

2. (Original) A method according to claim 1, wherein said mobile station identity information is information for managing the uplink in packet mode.

3. (Original) A method according to claim 2, wherein said mobile station identity information is transmitted with data transmitted in the uplink direction.

4. (Currently Amended) A method according to claim 3, wherein the network requests the mobile station to communicate said radio access capacity information to [[it]] the network in a message acknowledging data received in the uplink direction.

5. (Currently Amended) A method according to claim 4, wherein said ~~system~~ network is a GPRS ~~system~~ network and said message is a PACKET UPLINK ACK/NACK message.

6. (Original) A method according to claim 1, wherein said mobile station identity information is transmitted with an uplink data transmission resource assignment request.

7. (Original) A method according to claim 6, wherein the network requests the mobile station to communicate said radio access capacity information to it in an uplink radio resource assignment message.

8. (Currently Amended) A method according to claim 7, wherein said ~~system~~ network is a GPRS ~~system~~ network and said message is a PACKET UPLINK ASSIGNMENT message.

9. (Original) A method according to claim 1, wherein said mobile station identity information has already been communicated to the network in the context of a downlink transfer of data already set up.

10. (Currently Amended) A method according to claim 9, wherein the network requests the mobile station to communicate said radio access capacity information to ~~[[it]]~~ the network in an uplink radio resource assignment message.

11. (Currently Amended) A packet mode mobile radio network entity ~~including, for implementing a method according to claim 1~~ of a mobile radio network communicably linked to a mobile station to in packet mode, the entity comprising:

~~[[-]]~~ means for determining, from mobile station identity information that is communicated to ~~[[it]]~~ the entity, ~~if it~~ whether the entity already holds radio access capacity information relating to the mobile station, and

[[-]] means for requesting the mobile station to communicate said radio access capacity information to [[it]] the entity if it is determined that the entity does not already hold the radio access capacity information.

12. (Original) An entity according to claim 11, wherein said network is a GPRS network and said entity is a packet control unit (PCU).

13. (Currently Amended) A mobile station ~~including, for implementing a method according to claim 1~~ which is communicably linked to a mobile radio network in packet mode,
the mobile station comprising:

[[-]] means for receiving a request to communicate radio access capacity information, which is sent by the network to the mobile station if the network determines, from mobile station identity information communicated to the network, that the network does not already hold the radio access capacity information; and

[[-]] means for transmitting ~~such~~ the radio access capacity information to the network in response to said request.